

Course: Math 1A – 7:30 AM

Office/Office hour: E32a; daily 9:30 – 10:20 AM

Instructor: Frank Soler

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Pre-requisites. C or better in Math 49B (or equivalent) or appropriate score in Calculus Placement Test.

Textbook and other materials.

Book. *Smith and Minton, Calculus (Early Transcendental Functions)*, McGraw Hill. Third Edition, 2007.
Strongly suggest students also purchase the *Student's Solution Manual*.

Scientific Calculator. The Math Dept. recommends the TI-83+, but any graphic calculator will be fine.

Software. The Math Lab software is in residence in the Math Computer Lab – S43/S48. However, it is available in the bookstore for student purchase.

Syllabi. Contains Computer Lab assignments. Available in the bookstore.

Attendance. In most cases, attendance is a necessity. I don't take roll. If you will be absent during an extended Time period, please contact me.

Homework. Not collected. Students are responsible for even and odd problems as follows: odd problems up to the level of the 'assigned' even problems. All odd problems have solutions/answers in the back of the book or in the Student's Solutions Manual. Some of the assigned even problems will be used for class discussion and/or quizzes.

Quizzes. Unannounced. May be given at any time during class time, preferably at the beginning of class. Each quiz is worth 10 points and will typically last 15 minutes. The lowest quiz will be dropped. No make-ups (missed quiz = 0.) Problems on quizzes will be similar to the assigned even problems and/or examples from lecture.

Computer Lab. There will be several computer lab assignments (see the **Lab Schedule** on back). Lab time will be devoted to these labs, mostly on Fridays (see course schedule on back.)

Exams. Two midterms. See the calendar on back for dates. Exams are not made up. The final exam is required. Any student not taking the final exam receives an **F** for the course.

Grading. Based on total points accumulated as follows:

Midterms (100 pts. each) = 200 points; **Quizzes** = 100 points; **Computer Lab** = 100 points;
Final = 200 points.

The lowest 100 points from the midterms and half the final will be dropped. **Computer Lab** and **Quiz** points are NOT dropped. The letter-grade-scale is as follows: **A = 88%; B = 75%; C = 62%; D = 50%; F < 50%. I may use "plus" or "minus" grading if it favors the student.**

Miscellaneous Comments: Expect a demanding and challenging course. The quarter moves very quickly and we cover a lot of material in a short time period. Keep up with the reading and with the class lectures. All due dates for labs are final: NO exceptions (unless there are extenuating circumstances – check with me personally if in doubt.) Tutoring is available for most of the quarter in the S-4 building. Finally, pay attention to drop dates since I do not drop any students. In other words, a student's name appearing in the final grade roster, for a non-attending student, will automatically be assigned a final grade of **F**.

Assigned Problems

(The student should also work a sufficient number of odd problems to the level of these assigned even problems)

0.1: 2; 16; 18; 22; 24; 30; 31-34; 36-46: even; 59; 60; 64; 66; 70-74: even; 78-79

0.2: 6; 8; 16; 24; 28; 30; 34-38: even; 41; 42; 48; 50-60: even; 66

0.3: 3; 4; 8-14: even; 18-24: even; 30, 33-36; 42-50: even.

0.4: 2-10: even; 14; 18; 22; 28-32: even; 36; 38-48: even; 50; 54-68: even; 70

0.5: 22-54: even; 55-57; 61; 62; 72.

0.6: 2-48: even; 56; 58; 61; 62

1.1: 2-10: even; 14; 18; 21; 22

1.2: Writing Exercises: 4; 2-38: even; 42

1.3: 2-66: even; 70-74: even

1.4: 2-34: even; 38; 42-58: even; 64

1.5: 2-38: even; 40; 46-58: even; 62-72: even; 75; 76-82: even; 86-90: even

1.6: 2; 6; 8; 12; 16; 25; 30; 34; 36; 42; 44; 48; 50

2.1: 2-24: even; 18-40: even; 44; 51; 52

2.2: 2-34: even; 38-54: even; 58-62: even

2.3: 2-46: even; 47; 48; 56; 60; 62

2.4: 2-28: even; 43; 44; 50; 52

2.5: all even

2.6: 2-30: even; 26-38: even; 42-48: even

2.7: 2-54: even; 66; 68

2.8: 2; 4; 8; 12; 16; 18; 22-26: even; 30; 36; 42; 48-52: even

2.9: 2-22: even; 26; 30-38: even

3.1: 4; 8; 12; 14; 18; 22; 28; 32; 38; 42-48: even; 52; 54

3.2: 2-40: even; 50-54: even

3.3: 2-26: even; 32; 36; 40; 44; 46; 48; 52; 62

3.4: 2; 6-12: even; 18; 22; 26; 28; 32-38: even; 42; 44; 50; 52; 56; 60

3.5: 2; 4; 8-20: even; 24; 30; 34-44: even; 52

3.6: 2-26: even; 34-38: even; 42-54: even

3.7: 2-18: even; 22; 32

3.8: 2; 4; 6; 10; 14; 20; 22; 32

4.1: 2-34: even; 38-54: even; 58; 62; 64; 66; 70

9.1: 4; 6; 10; 26-32: even; 38; 44; 46

9.2: 4; 6; 10; 12; 18; 20